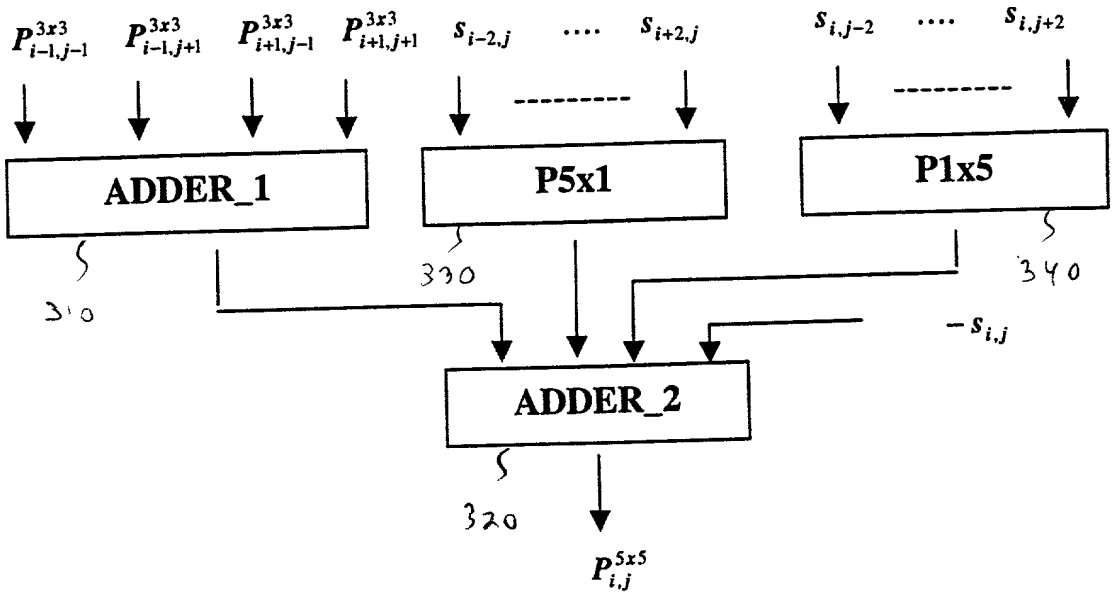
$P^{3x3}_{i-1,j-1}$
$P^{3x3}_{i-1,j+1}$
$P^{3x3}_{i+1,j-1}$
$P^{3x3}_{i+1,j+1}$
$s_{i-2,j}$ .... $s_{i+2,j}$
$s_{i,j-2}$ .... $s_{i,j+2}$
ADDER_1
P5x1
P1x5
310
330
340
$-s_{i,j}$
ADDER_2
320
$P^{5x5}_{i,j}$

FIG. 3